

EXHIBIT B7

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**UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF CALIFORNIA**

MIKULA WEB SOLUTIONS, INC.,
individually and on behalf of all others
similarly situated,

Civil Action No.

Plaintiff,

CLASS ACTION COMPLAINT

V.

GOOGLE LLC,

JURY TRIAL DEMANDED

Defendant.

1 Plaintiff Mikula Web Solutions, Inc. brings this action against Defendant Google LLC
 2 (“Google” or “Defendant”) individually and as a class action, pursuant to Rule 23 of the Federal
 3 Rules of Civil Procedure, on behalf of similarly situated publishers that sold digital Display Ad
 4 inventory through Google’s AdSense targeting consumers in the United States since March 11,
 5 2008. Plaintiff seeks treble damages and injunctive relief for Google’s longstanding and continuing
 6 violations of sections 1 and 2 of the Sherman Act, 15 U.S.C. §§1, 2. Plaintiff alleges as follows
 7 based on its personal knowledge, the investigation of Plaintiff’s counsel, and on information and
 8 belief.

9 **I. NATURE OF THE ACTION**

10 1. This is a civil antitrust action under sections 1 and 2 of the Sherman Act for treble
 11 damages and other relief arising out of Google’s exclusionary and anticompetitive campaign to
 12 obtain and maintain monopolies in several distinct, but closely related, relevant markets, including
 13 (a) publisher ad server services (“Publisher Ad Servers”); (b) display ad network services (“Ad
 14 Networks”); (c) display ad exchanges (“Exchanges”); and (d) display ad buying tools (“Ad Buying
 15 Tools”) (collectively, the “Relevant Markets”). These markets constitute what is referred to as the
 16 “Display Ad Stack.”

17 2. While Google got its start in Search, today it is an advertising company. Google
 18 makes billions of dollars a year by collecting information about individual Internet users and then
 19 using that information to help advertisers find suitable persons to whom they can send direct,
 20 targeted ads. Google obtains user information from a number of sources, including through its
 21 Google Search service and Chrome web browser. Thanks to these and other Google offerings,
 22 Google knows when individual users log on, the websites they visit, the things they search for, the
 23 products they buy, and other valuable information.

24 3. Google has engaged in anticompetitive conduct that created and entrenched its
 25 market power at all levels of the Display Ad Stack. As described further below, three events in
 26 particular are key to Google’s dominance in these markets, and the resulting harms to publishers:
 27 (1) Google’s acquisition of DoubleClick, which allowed Google to be a fully integrated player
 28 spanning the entire Display Ad Stack; (2) the introduction of “header bidding” in 2015, which

1 allowed Google's rivals to bid simultaneously against each other for publisher impressions; and
 2 (3) Google's subsequent introduction of Open Bidding in 2018, which was Google's response to
 3 the competition created by header bidding.

4 4. Google used each of these events, along with other actions described herein, to
 5 leverage its monopoly in Search into other markets, to exclude rivals, allocate markets, and
 6 otherwise extend and defend its dominance in the Relevant Display Ad Markets.

7 5. As a result, Google has control over a dominant share of the Display Ad inventory
 8 on which advertisers will bid as well as over which advertisers can participate in the most
 9 significant auctions and how publishers prioritize and compare different sources to identify the
 10 advertiser that will ultimately "win" the right to place an ad in a particular ad slot.
 11 Google's exclusionary conduct has had substantial anticompetitive effects in the Relevant Markets
 12 and has harmed publishers. Plaintiff and members of the proposed Class accordingly seek
 13 compensatory and injunctive relief for violations of the Sherman Act, 15 U.S.C. §§ 1 & 2.

14 **II. JURISDICTION AND VENUE**

15 6. Plaintiff brings this action under sections 1 and 2 of the Sherman Act, 15 U.S.C. §§
 16 1, 2.

17 7. Plaintiff has been injured, and is likely to continue to be injured, as a direct result
 18 of Google's unlawful, anticompetitive conduct.

19 8. The United States District Court for the Northern District of California has subject
 20 matter jurisdiction over this action pursuant to 28 U.S.C. §§ 1331 and 1337(a), and section 4 of
 21 the Clayton Act, 15 U.S.C. § 15(a)(2).

22 9. The United States District Court for the Northern District of California also has
 23 subject matter jurisdiction over this action pursuant to 28 U.S.C. § 1332(d). The amount in
 24 controversy exceeds \$5,000,000 exclusive of interests and costs, and Plaintiff and a significant
 25 proportion of the members of the proposed Class are citizens of states different from Google.

26 10. Venue is proper in this District under sections 4 and 12 of the Clayton Act, 15
 27 U.S.C. §§ 15, 22. Google is headquartered in this District and its principal business operations are
 28

1 based in this District. Moreover, Google's anticompetitive conduct was directed and carried out in
 2 this District. Venue also is proper pursuant to 28 U.S.C. § 1331 for the same reasons.

3 11. Plaintiff and members of the Class also have contracts with Google that contain a
 4 forum selection clause requiring all claims between the parties to be resolved "exclusively in the
 5 federal or state courts of Santa Clara County, California," which includes this District.

6

7 **III. PARTIES**

8 12. Plaintiff Mikula Web Solutions, Inc. is a small business incorporated in
 9 Pennsylvania with its principal place of business in Doylestown, Pennsylvania. Plaintiff assists
 10 small and medium sized business with complete website development solutions including website
 11 design, e-commerce, database applications, online marketing solutions, and website hosting. As
 12 part of that, Mikula Web Solutions, Inc. sells digital Display Ad inventory through Google. As a
 13 direct result of Google's unlawful, exclusionary conduct, Mikula Web Solutions, Inc. has been
 14 paid lower-than-competitive rates for its digital Display Ad inventory.

15 13. Defendant Google is a Delaware corporation with its principal place of business in
 16 Mountain View, California. Google is owned by Alphabet Inc., a publicly traded company
 17 incorporated and existing under the laws of the State of Delaware and headquartered in Mountain
 18 View, California. Google engages in, and its activities substantially affect, interstate trade and
 19 commerce. Google provides a range of products and services that are marketed, distributed, and
 20 offered to consumers throughout the United States and internationally.

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22 **IV. DISPLAY ADVERTISING**

23 14. Display Ads are ads that appear on a website, often in a side window or some other
 24 designated space on the page. The suppliers of that ad space—usually the owner of the website—
 25 are generally referred to as "publishers." Because many publishers rely on Display Ads as an
 26 important source of funds for their businesses, the price at which they can sell space on their pages
 27 is critical.

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1 15. When an Internet user visits a publisher's website where ad space is available, a
 2 process is initiated to solicit and organize bids through various sources of advertiser demand to fill
 3 that space. Once the winning bid has been identified, in a process that typically takes less than a
 4 second, the Display Ad is placed on the publisher's website. The intermediaries providing these
 5 services receive compensation in a form of a share of the payments from advertisers for their
 6 Display Ads to appear on the website.

7 16. The Display Ad intermediation industry has four main layers: Sell-side Tools
 8 (Publisher Ad Servers and Ad Networks), Exchanges, Ad Buying Tools, and Advertiser Ad
 9 Servers. Together, these four layers are called the "Display Ad Stack."

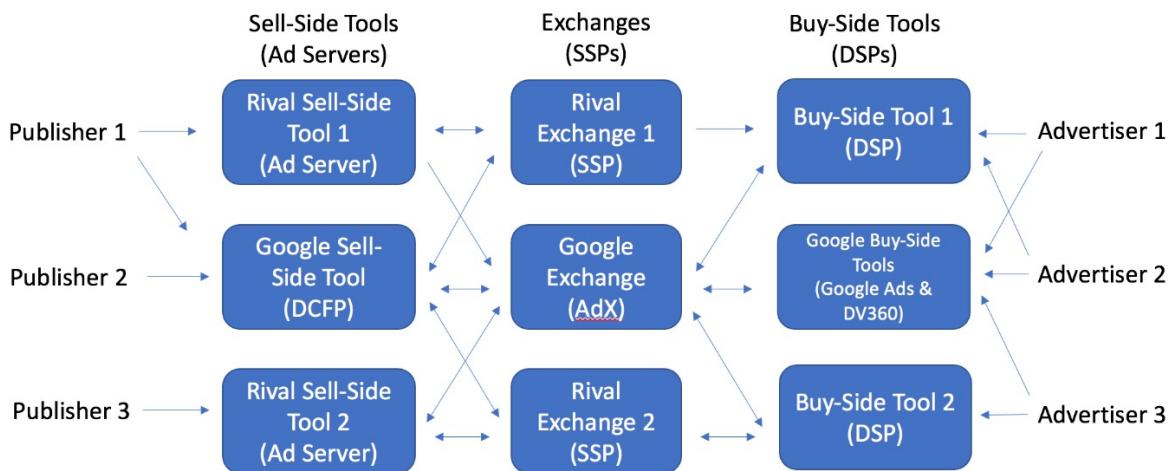
10 17. Sell-side tools include Publisher Ad Servers and Ad Networks, which are used by
 11 publishers selling space on their websites ("impressions") to assist them in choosing which ads to
 12 place on their sites. Generally, larger publishers use Publisher Ad Servers, and smaller publishers
 13 use Ad Networks to sell space on their website.

14 18. Exchanges, or "Supply-Side Platforms" ("SSPs"), run auctions of impressions.
 15 Bidders in these auctions, who represent advertisers, use Ad Buying Tools, also called "Demand-
 16 Side Platforms" ("DSPs"). These Ad Buying Tools help advertisers run ad campaigns and manage
 17 bids on Exchanges. The DSPs also run their own auctions for impressions in which their advertiser
 18 clients are the bidders.

19 19. The winner of each DSP auction advances to one or more auctions run by the
 20 Exchanges. The winner of each Exchange's auction is then shown to the Publisher Ad Server or
 21 Ad Network, which then selects and places an ad on the publisher's site. Figure 1 provides a visual
 22 representation of the industry.

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FIGURE 1. DISPLAY AD STACK



10 20. To provide an example based on this diagram, assume that Publisher 1 puts an
 11 impression up for sale through DoubleClick for Publishers (“DCFP”), which is Google’s Publisher
 12 Ad Server.¹ DCFP will alert the three Exchanges, including Google’s AdX, that the impression is
 13 up for sale. The Exchanges subsequently alert the DSP/Ad Buying Tools that the impression is for
 14 sale. The advertisers on each of the DSPs then bid for the impression.

15 21. The winning bids on each DSP will then compete among each other on the
 16 Exchanges. For example, in the figure above, the advertiser with the highest bid on Buy-Side/Ad
 17 Buying Tool 1 will compete with the winners from Google Ads and DV360, as well as the
 18 advertiser that won the auction on Buy-Side/Ad Buying Tool 2 on various Exchanges. Each
 19 Exchange that received bids will present each Publisher Ad Server its winning bid, which then
 20 selects the winning bid from the three offered by the Exchanges. Once the winner is selected by
 21 the publisher ad server, the advertiser sends the ad to be placed on the publisher’s website.

22 22. Publishers using Google’s sell-side Publisher Ad Server, DCFP, or those that sell
 23 impressions through AdSense and Google’s Ad Network pay Google a fee for the use of those

25 25 1 Google’s products underwent a rebranding in 2018. Its buy-side Ad Buying Tools, Google
 26 AdWords (for non-premium advertisers) was rebranded as Google Ads, and DoubleClick Bid
 27 Manager (“DCBM”) (for premium advertisers) was rebranded as DV360. Google’s sell-side tool
 28 for non-premium publishers was left as Google AdSense. Its sell-side tool for premium publishers,
 DCFP was rebranded as Google Ad Manager (“GAM”), which also absorbed DoubleClick’s Ad
 Exchange (“AdX”) and integrated it into a single platform.

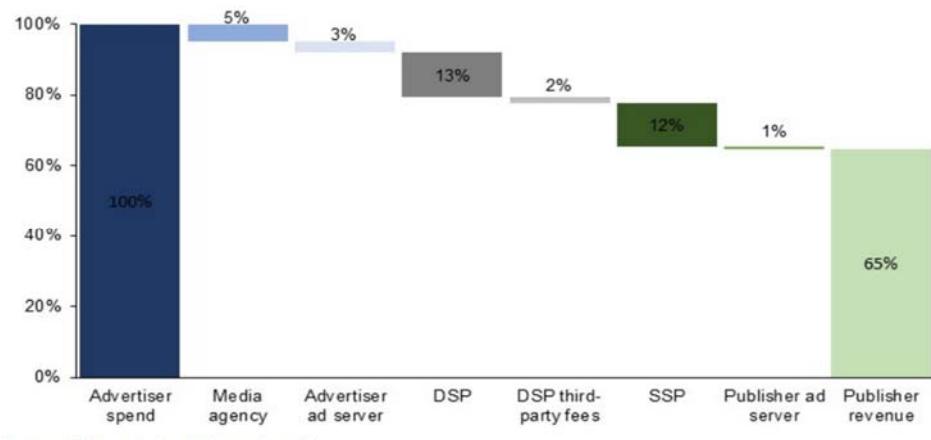
services. In the case of DCFP, the fee is based on a constant “cost-per-mile” or “cost per 1000 impressions.”

23. Exchanges such as AdX (prior to rebranding) charge on the basis of a revenue share with publishers. That is, an Exchange keeps a portion of the closing price of the auction it runs related to the sale of the publisher's inventory.

24. Google's buy-side tools, Google Ads and DV360, are used by advertisers directly and indirectly. Google Ads tends to be used directly by smaller advertisers, whereas DV360 is often used indirectly by advertisers that contract with media buying firms to run ad campaigns on DV360. DV360 charges a fee to advertisers for its services, while Google Ads makes money by keeping the difference between what the advertiser pays for an ad and what Google Ads bids into the Exchange.

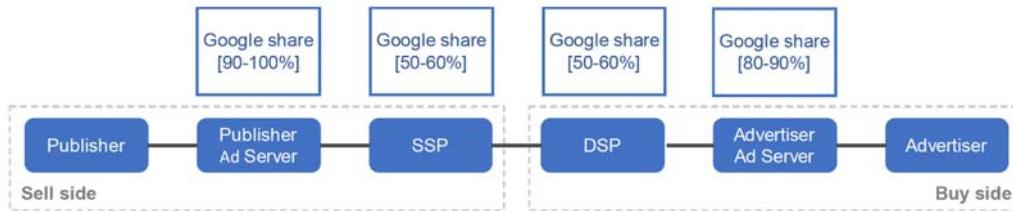
25. A common metric used in digital advertising is the “take rate,” which is the difference (in percentage terms) of the spending incurred by the advertiser and the amount received by the publisher as the money flows through the Display Ad Stack. So, for example, if the advertiser pays \$100 and the publisher receives \$60, then the take rate is 40%. Figure 2 provides an illustration of take rates for 2019 in the United Kingdom as reported by the Competition & Markets Authority (“CMA”).

FIGURE 2. TAKE-RATE AT EACH LAYER OF THE DISPLAY AD STACK IN THE UK (2019)



26. The CMA found that Google has high market shares in all layers of the Display Ad Stack, as set forth in Figure 3.

FIGURE 3. GOOGLE'S SHARE OF IMPRESSIONS AT EACH LAYERS OF AD INTERMEDIATION IN THE UK



Source: CMA: We include Google AdX, Google Ad Sense and Google AdMob in our definition of SSPs and Google DV360 and Google Ads in our definition of DSPs.

V. RELEVANT MARKETS

A. Google Has Market Power in the Publisher Ad Server Market in the United States

14 27. Publisher Ad Servers for Display Ad inventory in the United States is a relevant
15 antitrust market. Publisher Ad Servers are inventory management systems that publishers use to
16 manage their online display ad inventory. They provide features such as: (1) reservation-based
17 sales technology to support a publisher’s direct sales efforts; (2) inventory forecasting technology
18 to help a publisher determine what inventory will be available to sell; (3) a user interface through
19 which a publisher’s sales team can input directly sold campaign requirements; (4) co-management
20 of direct and indirect sales channels; (5) report generation of ad inventory performance; (6)
21 invoicing capabilities for a publisher’s direct campaigns; and (7) yield management technology.

22 28. Most publishers “single home” and use one ad server to manage all their web
23 display inventory. When a publisher sells more than one type of inventory (e.g., web display, in-
24 app, or video), they may then use one ad server product for their display inventory and a second
25 ad server for their in-app or video inventory or an ad server that manages more than one format.
26 Were a publisher to use multiple ad servers for the same format, they would have to resolve
27 conflicts between ad servers, thereby defeating the point of an ad server's inventory management
28 functions.

1 29. Publisher Ad Servers are unique. They are not interchangeable with Exchange, Ad
 2 Network, or Ad Buying Tools for large or small advertisers. Those tools do not similarly manage
 3 a publisher's direct sales channel or offer the reporting, invoicing, or forecasting functions that
 4 publishers need to holistically manage inventory and optimize yield.

5 30. The customers of Publisher Ad Servers are generally large publishers who need to
 6 manage both direct and indirect sales channels.

7 31. With respect to the Publisher Ad Server Market, the relevant geographic market is
 8 the United States. Publisher ad servers available in other countries are not a reasonable substitute
 9 for ad servers available in the United States. Therefore, the United States is the relevant geographic
 10 market.

11 32. Google's monopoly power in this market is confirmed by its high market share.
 12 More than 90 percent of large publishers use Google's publisher ad server, Google Ad Manager
 13 (formerly known as "DoubleClick for Publishers"), according to published reports. Google internal
 14 documents also measured that Google Ad Manager served the vast majority-percent-of all online
 15 display ad impressions in the United States in the third quarter of 2018.

16 33. According to a complaint filed by the State of Texas and others, Google's
 17 monopoly power in the Publisher Ad Server Market is further confirmed by direct evidence,
 18 including charged supra-competitive fees and degraded quality in the publisher ad server market,
 19 defying the existence of any competitive restraints whatsoever.

20 34. Google's market power in the publisher ad server market is also protected by
 21 significant barriers to entry. One barrier to entry is switching costs. Switching online ad servers is
 22 risky and resource intensive. Some publishers have inventory on hundreds of thousands, or even
 23 hundreds of millions, of webpages, which makes switching ad servers exceedingly expensive,
 24 difficult, and time consuming. Moreover, the switching process also entails significant revenue
 25 risk.

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1 **B. Google Has Monopoly Power in the Ad Networks Market in the United States**

2 35. Ad Networks in the United States constitute a relevant antitrust product market. Ad
 3 Networks are marketplaces that match small publishers' ad inventory with advertisers without
 4 providing impression-by-impression price transparency to the sell or buy sides of the transaction.

5 36. Ad Networks are not interchangeable with Publisher Ad Servers, Exchanges, or Ad
 6 Buying Tools. While Ad Networks are marketplaces for advertising inventory, they are not
 7 interchangeable with Exchanges (discussed below) because they operate in a different manner and
 8 serve a different type of publisher.

9 37. Ad Networks do not offer the same type of impression-by-impression price
 10 transparency to publishers and advertisers that Exchanges do. Ad Networks also typically serve
 11 much smaller publishers that do not have sufficient traffic to sell their inventory through
 12 exchanges. Ad Networks require little to no upfront spending by publishers, and publishers can
 13 join networks to sell their inventory even if they do not have much inventory to sell. For example,
 14 AdSense publishers on the Google Ad Network do not have monthly page view or impression
 15 requirements. These types of publishers typically include local newspapers, niche websites, blogs,
 16 and more.

17 38. With respect to Ad Networks, the relevant geographic market is the United States.
 18 Ad Networks available in other countries are not a reasonable substitute for display ad networks
 19 available in the United States. Therefore, the United States is a relevant geographic market.

20 39. Google has monopoly power in the Ad Network Market in the United States.
 21 Google's Ad Network, Google Display Network ("GDN") reaches more user impressions and
 22 websites than any other display network, including over 2 million small online publishers globally.
 23 Google has immense scale amongst the long tail of small online publishers.

24 40. According to the State of Texas, direct evidence also confirms the monopoly power
 25 of Google's Display Ad Network, with GDN charging very high double-digit percent commissions
 26 on advertising transactions. Google reportedly acknowledges that its fees are very high and that
 27 Google can demand high fees because of its market power.

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1 41. The market power of Google's Ad Network is protected by barriers to entry. Google
 2 imposes a significant barrier to entry by using its Publisher Ad Server to preferentially route
 3 trading to its Ad Network through a host of anticompetitive conduct addressed below. Google also
 4 generates a further barrier when its ad buying tool Google Ads preferentially routes trading to
 5 GDN through a host of anticompetitive conduct discussed below. Finally, Ad Networks need scale
 6 on both the supply and demand sides; natural network effects make it difficult for any new
 7 networks to enter and achieve scale.

8 **C. Google Has Monopoly Power in the Exchange Market in the United States**

9 42. Exchanges in the United States constitute a relevant antitrust product market. These
 10 exchanges are marketplaces that auction multiple publishers' display inventory to multiple end-
 11 advertisers through advertisers' middlemen on an impression-by-impression basis and in real time.
 12 On the sell side, Exchanges generally interface with publishers through publishers' ad servers such
 13 as Google's ad server. On the buy side, they interface with advertisers through ad buying tools,
 14 including ad buying tools for large advertisers, ad buying tools for small advertisers, such as
 15 Google Ads, and sometimes, even networks.

16 43. Exchanges are not interchangeable with Publisher Ad Servers, Ad Networks, or Ad
 17 Buying Tools. Publishers cannot sell their display ad inventory on an impression-by-impression
 18 basis or in a real-time marketplace to end-advertisers using publisher ad servers, networks, or ad
 19 buying tools. Moreover, unlike Ad Networks, Exchanges are designed to integrate with multiple
 20 ad buying tools so that advertisers can optimize trading across exchanges; networks are more
 21 restricted. Reflecting the fact that exchanges and networks offer different feature sets, exchanges
 22 require publishers to commit to a large monthly volume of impressions or revenue, whereas
 23 networks typically do not. Publishers that use Google's ad server to sell their display ad inventory
 24 through ad marketplaces primarily sell their inventory in exchanges, not networks. As an example,
 25 one major online publisher in the United States sold over 80 percent of their indirect display
 26 inventory to exchanges, not networks.

27 44. Exchanges are also not interchangeable with the direct sales channel, for publishers
 28 and advertisers. For publishers, selling inventory directly requires that they develop expertise

1 around managing, selling, and serving campaigns, which requires a specialized skill set and is
 2 expensive to do. For advertisers, buying inventory directly from publishers also requires an
 3 additional skill set and ongoing investment. For direct deals, publishers and advertisers must
 4 typically hire and maintain internal staff to manage these one-to-one relationships. As a result, the
 5 direct sales channel tends to be reserved for high-value publisher-advertiser transactions.

6 45. With respect to display ad exchanges, the relevant geographic market is the United
 7 States. Exchanges available in other countries are not a reasonable substitute for display ad
 8 exchanges available in the United States. Therefore, the United States is a relevant geographic
 9 market.

10 46. Google has monopoly power in the United States in the Exchange market. Despite
 11 an early competitive landscape, Google's Display Ad Exchange, historically called AdX, has been
 12 the top exchange in the United States since at least 2013. Additionally, publisher and exchange
 13 data reportedly shows that Google's share of the Display Ad Exchange Market has substantially
 14 increased since 2019. Finally, for online publishers reaching high-value users, Google's Display
 15 Ad Exchange transacts an even greater share of publishers' exchange impressions.

16 47. Google's market power in the Exchange market is also protected by significant
 17 barriers to entry. New entrants must achieve sufficient scale and network effects to attract
 18 publishers and advertisers to use their exchange. In addition, Google's anticompetitive conduct
 19 has created artificial barriers to entry. One significant Google-created barrier arises due to
 20 Google's Publisher Ad Server preferentially routing trading to Google's exchange through a host
 21 of anticompetitive conduct addressed below. Google creates another barrier to entry by exclusively
 22 and preferentially routing the bids of advertisers using DV360 and Google Ads to its ad exchange
 23 through a host of other anticompetitive conduct discussed below.

24

25 **D. Google Has Monopoly Power in the Market for Ad Buying Tools for
 26 Small Advertisers**

27 48. The Market for Ad Buying Tools for Small Advertisers in the United States is a
 28 relevant antitrust market. These tools provide an interface that smaller advertisers can use to bid
 on and purchase the display ad inventory trading on ad exchanges and in ad networks. In this

1 respect, these tools allow advertisers to optimize for their own interests, including purchasing
 2 quality display ad inventory for the lowest prices.

3 49. Ad Buying Tools for Small Advertisers are not interchangeable with ad buying
 4 tools for large advertisers, which are sometimes called demand-side platforms (or “DSPs”). The
 5 two sets of tools serve different types of advertisers, exhibit different pricing and entry levels, and
 6 offer different feature sets.

7 50. Ad Buying Tools for Small Advertisers are also not interchangeable with Publisher
 8 Ad Servers, Display Ad Networks, or Ad Exchanges, as none of these provide small advertisers
 9 with a buying interface to bid on and purchase ad inventory in exchanges or networks.

10 51. The relevant geographic market for Display Ad Buying Tools for small advertisers
 11 is the United States. Display Ad Buying Tools for small advertisers available in other countries
 12 are not a reasonable substitute for the tools available in the United States. Therefore, the United
 13 States is a relevant geographic market.

14 52. Google’s ad buying tool, “Google Ads,” has monopoly power in the United States
 15 in the Display Ad Buying Tool Market for Small Advertisers. The market power of Google Ads is
 16 evidenced by the fact that Google’s exchange charges supra-competitive fees for exclusive access
 17 to Google Ads advertisers.

18 53. Google Ads also has market power over the small advertisers it serves because most
 19 rely on a single ad buying tool for a given advertising format (e.g., display ads) and have switching
 20 costs. Using multiple ad buying tools imposes additional costs on advertisers because of the
 21 additional time, effort, training, and expense needed to manage campaigns across tools; Google
 22 Ads also does not let small advertisers completely export the data they need to easily switch to
 23 another tool. As a result, while very large advertisers might be able to absorb the costs of using
 24 more than one tool at a time, small advertisers almost always use just one ad buying tool at a time

25 54. Google’s market power with Google Ads is protected by various critical barriers to
 26 entry.

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- 1 a. First, Google Ads charges opaque fees and does not let advertisers readily audit the
2 ad inventory Google purchases on their behalf, both of which act as a barrier to
3 entry because they impede advertisers from switching to a low-cost provider.
- 4 b. Second, Google's practice of withholding YouTube video inventory from rival ad
5 buying tools locks small advertisers who use one tool at a time into Google's ad
6 buying tool.
- 7 c. Third, other providers of buying tools cannot compete with Google Ads for small
8 advertisers, because they cannot achieve sufficient scale with smaller advertisers
9 who want to buy display, YouTube, and even search ads, through just one tool.
- 10 d. Fourth, advertisers use ad buying tools to keep track of the users they have targeted
11 with ads, the users that have made purchases, and the users that they want to keep
12 targeting with more ads. Google Ads limits advertisers from accessing and taking
13 this data with them to another tool. As a result, advertisers are locked in and have
14 high switching costs.

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**VI. GOOGLE'S EXCLUSIONARY CONDUCT TO CREATE AND EXTEND ITS
16 MARKET POWER IN THE RELEVANT DISPLAY AD MARKETS**

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**A. Google Has Monopoly Power in the Market for Ad Buying Tools for Small
18 Advertisers**

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20 55. In 2009, Google began a series of acquisitions that allowed it to participate in every
21 level of the Display Ad Stack. The most significant of these acquisitions was DoubleClick, which
22 was vertically integrated across the entire ad tech supply chain. See Figure 4. DoubleClick offered
23 sell-side tools in the Publisher Ad Server Market (DoubleClick for Publishers, or "DCFP"), buy-
24 side tools in the Ad Buying Tools Market (DoubleClick Bid Manager, or "DCBM"), and ran an
25 exchange between buyers and sellers in the Exchange Market (DoubleClick Ad Exchange, or
26 "AdX").

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1 FIGURE 4. DOUBLECLICK'S VERTICAL INTEGRATION
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56. Google used the DoubleClick acquisition to exploit cross-side externalities between
5 publishers and advertisers (i.e. “network effects”). With the acquisition of DCFP (the dominant
6 Publisher Ad Server), Google instantly acquired a large, installed base of publishers to help attract
7 advertisers. The DoubleClick acquisition also included a technology called Dynamic Allocation,
8 which gave Google’s AdX an advantage over other Exchanges bidding for impressions from
9 DCFP.

57. In 2010, Google acquired AdMob, which gave Google the ability to efficiently
1 serve ads in mobile apps; this allowed Google to extend its monopolistic reach into the mobile
2 markets. These, along with other acquisitions, expanded Google’s presence in the Display Ad
3 Stack while enabling Google to exclude others, thereby increasing Google’s market power in the
4 Relevant Display Ad Markets.

58. After acquiring DoubleClick, Google required small advertisers bidding through
6 Google’s buy-side (Ad Buying Tools Market) Google Ads to transact in both Google’s Ad
7 Network and AdX in the Display Ad Exchange Market. Google also made it so that large
8 publishers who wished to receive bids from the “fire hose” of advertisers who used Google’s Ad
9 Buying Tools had to license DCFP in the Publisher Ad Server Market and trade in AdX in the
10 Exchange Market.

59. In other words, Google demanded that it represent buyers, sellers, and run the
6 exchange in which they traded. This essentially tripled Google’s opportunity to extract fees (one
7 fee from the buy side in the Ad Buying Tools Market, another fee from the sell-side in either the
8 Publisher Ad Server Market or Display Ad Network Market, and a third for running the exchange
9 in the Exchange Market).

1 **B. Google Leveraged its Market Power in Search to Lure Advertisers to Use
2 Google's Ad Buying Tools**

3 60. Because of its dominance in the Search Market, Google's Search is considered a
4 mandatory advertising channel for most advertisers.

5 61. Google requires advertisers placing Search Ads to use only Google's Ad Buying
6 Tools, which automatically default to tools for the Google Display Network (a group of publisher
7 sites in the Ad Networks Market that are affiliated with Google due to their use of ad
8 intermediation tools). This tying of Search and Search Ads with Google's Ad Buying Tools
9 reduces the incentive for advertisers to consider and choose other platforms in the Ad Buying
10 Tools Market.

11 62. In addition, Google does not share data regarding Search Ad campaigns on Google
12 Search with rival Ad Buying Tool/DSPs. Advertisers therefore can only access and compare
13 complete results from advertising campaigns that include Search Ads and Display Ads by using
14 Google's Ad Buying Tools. This further reduces the incentives of advertisers to multi-home.

15 63. One antitrust concern specifically raised by lawmakers and regulators in connection
16 with Google's acquisition of DoubleClick was that the deal would allow Google to combine user
17 data it collected from DoubleClick with user data collected from Google Search and other Google
18 properties (e.g., Google Chrome, Google Maps, Gmail, YouTube) to create individual user "super-
19 profiles." The fear was that Google could use these to obtain an unfair advantage in the Relevant
20 Display Ads Markets.

21 64. Despite its promise not to do so, Google has been bundling user data from across
22 its entire eco-system since at least 2017 and selling that data to advertisers through its Google Ad
23 Buying Tools. Because rival DSPs are not privy to this large trove of user data, Google has an
24 unfair advantage in attracting advertisers to its Ad Buying Tools. This advantage is expected to
25 grow even stronger once Google implements its announced plan to eliminate cookies on the
26 Chrome browser.

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1 **C. Google Misused its Market Power in Video Display Ads to Expand its
2 Presence in the Ad Buying Tools Market**

3 65. Google leveraged its vast YouTube ad inventory to entice advertisers to use
4 Google's Ad Buying Tools by making YouTube exclusive to Google's offerings.

5 66. Prior to 2016, advertisers could bid on YouTube ad inventory using any Ad Buying
6 Tool/DSP. Since 2016, however, Google has refused to offer YouTube inventory to be auctioned
7 on AdX in the Exchange Market and has instead required that advertisers buy YouTube
8 impressions solely through Google's DV360 platform in the Ad Buying Tools Market. This biases
9 advertisers into using Google's Ad Buying Tools and reduces the incentive to multi-home across
10 various tools in that market.

11 **D. Google Sent Bids Generated Through its Ad Buying Tools to Google's
12 Exchange, AdX, Instead of Non-Google Exchanges**

13 67. Google engaged in self-preferencing by sending most of its Google Ads bids to
14 Google's Exchange, AdX, rather than competing Exchanges.

15 68. This form of vertical foreclosure denied non-Google Exchanges the demand
16 coming from Google's collection of advertisers and created an incentive for advertisers to use
17 Google Ads and other Google Ad Buying Tools. Google's self-preferencing also created an
18 incentive among publishers to use DCFP in the Publisher Ad Server Market as it works best with
19 AdX. Both of these effects reinforced the use of Google products at both ends of the Display Ad
20 Stack.

21 **E. Google Misused its Sell-side Dominance as Leverage to Provide AdX a
22 Competitive Advantage in the Exchange Market**

23 69. Google has used a number of sell-side programs to extend and maintain its market
24 power in the Exchange Market.

25 70. For example, Google's DoubleClick acquisition included a technology called
26 "Dynamic Allocation" (later, "Enhanced Dynamic Allocation") in which Google's Publisher Ad
27 Server, DCFP, gave preferential treatment to Google's AdX Exchange. Dynamic Allocation
28 established a minimum "floor price" made available only to AdX. This effectively gave AdX a

1 right of first refusal that AdX used to secure impressions by submitting bids only slightly above
 2 the floor price.

3 71. DCFP allowed AdX to compete for publishers' impressions by returning live bids,
 4 while requiring non-Google Exchanges to compete for the same impressions with static non-live
 5 bids. This enabled AdX to obtain impressions for vastly less than advertisers were willing to pay,
 6 and pocket the difference. If AdX could not secure the impression (i.e., its bid was lower than the
 7 floor price), the impression was offered to the Exchange associated with the floor price. Thus,
 8 Dynamic Allocation gave AdX an advantage over other Exchanges because it was allowed to pass
 9 on impressions that were not high quality.

10 72. Moreover, this process led to AdX, and no other Exchange, being able to bid on
 11 every impression. This process was inefficient and resulted in publishers not getting the best prices
 12 for their impressions.

13 73. Google's DCFP Publisher Ad Server, like financial trading intermediaries, was
 14 supposed to act in the best interests of its customers by maximizing publishers' revenue and
 15 inventory yield. Consequently, Google concealed the nature of its conduct to publishers and falsely
 16 told them that Dynamic Allocation and other publisher programs would help them maximize
 17 revenue. In fact, all of these complex programs were designed by Google's quantitative analysts
 18 to serve a simple purpose: use Google's information and access advantage in ways that no other
 19 Exchange could replicate.

20

21 **F. Google Misused its Superior Data and Greater Demand Volume to "Cream**
 22 **Skim," to the Detriment of Publishers and Advertisers**

23 74. As alleged above, because Google's AdX Exchange only had to bid one penny
 24 above the price floor set by Google's DCFP Publisher Ad Server, Google could win impressions
 25 at a bargain and at a price below that which advertisers were willing to pay.

26 75. The reason for this is that the price floor set by Google's Publisher Ad Server was
 27 based on the highest estimated price based on average historical price performance. If an
 28 impression was worth more to a buyer (i.e. advertiser) than the historical average, Google could

1 win the impression at a deep discount and keep the difference for itself. Thus, Google “cream-
 2 skimmed” relatively high-quality impressions at bargain-basement prices, and left lower-quality
 3 impressions for its Exchange rivals to bid on.

4

5 **G. Google Used Dynamic Allocation with “Waterfalling” to Foreclose
 Competition with Other Exchanges**

6 76. Google restricted its ad server DCFP from selling publishers’ inventory in more
 7 than one Exchange at a time, a restrictive practice called “waterfalling.” Google used waterfalling
 8 to block other Display Ad Exchanges from competing simultaneously for impressions. Then,
 9 through Dynamic Allocation, Google’s Publisher Ad Server passed inside information to AdX and
 10 permitted it to purchase valuable impressions at prices that were artificially depressed by Google’s
 11 actions.

12 77. Publishers were deprived of competitive bids, and competing Exchanges were
 13 outbid on valuable impressions and left with the low-value impressions passed over by Google’s
 14 exchange. Google thus foreclosed Exchange competition and dramatically increased the cost of
 15 transacting on Exchanges, which helped enable Google’s Exchange, AdX, to obtain supra-
 16 competitive fees and profits.

17

18 **H. Google Prevented Publishers from Using Their Advertising Data with
 Other Exchanges**

19 78. Google further foreclosed competition by blocking publishers’ ability to access
 20 information about their heterogenous inventory and share that information with Exchanges.

21 79. Google’s Publisher Ad Server manages publishers’ heterogenous inventory and
 22 maximizes inventory yield. However, the Publisher Ad Server is what also identifies the readers
 23 and visitors associated with online publishers’ inventory, assigning to publishers user IDs. In 2009,
 24 Google’s Publisher Ad Server, DCFP, started hashing or encrypting publishers’ ad server user IDs
 25 and giving publishers and advertisers different IDs for the same user. Thus, Google strategically
 26 prevents the user from being easily identified with one critical caveat: Google is able to use that
 27 very same information for its own trade decisions.

28

1 80. In stark contrast to representations made to the Federal Trade Commission and
 2 Congress, Google trades on what was previously insider information. At a high level, the
 3 encryption of publishers' user IDs forecloses competition for publishers' inventory from non-
 4 Google Exchanges and Ad Buying Tools.

5 81. Publishers, and the Exchanges that sell inventory on their behalf, need to know the
 6 identity of users associated with publishers' impressions in order to sell those impressions for
 7 competitive prices. When Exchanges cannot identify users in auctions (e.g., through cookies), the
 8 prices of impressions on exchanges reportedly can fall by about 50 percent, according to one
 9 Google study.

10 82. In 2009, Google started restricting publishers' ability to access and share the user
 11 IDs that Google's new Publisher Ad Server associated with publishers' impressions. Google
 12 accomplished this by encrypting unique user IDs for each publisher and for each advertiser bidding
 13 through Google's Ad Buying Tools. As a result, publishers and advertisers could not easily know
 14 when two different user IDs actually belonged to the same user.

15 83. While Google blocked publishers from accessing and sharing the user IDs with
 16 Exchanges and Ad Networks, Google shared the same raw IDs with Google's Ad Network and
 17 Exchange, as well as Google's advertising middlemen, DV360 and Google Ads. Thus, for
 18 Google's Ad Network, Exchange, and Ad Buying Tools, a user has only one ID, regardless of
 19 whether the user is a buyer or a seller in the transaction. In other words, publishers and advertisers
 20 could not easily determine that two different user IDs actually belonged to the same user unless
 21 they used Google's Ad Buying Tools and AdX.

22 **I. Google Engaged in Anticompetitive Conduct Intended to Undermine Header
 23 Bidding**

24 **i. Google refused to participate in header bidding**

25 84. In 2015, a company called AppNexus came up with a way to bypass AdX and hold
 26 a competitive auction in real time in the user's browser.

1 85. AdX refused to participate in header bidding auctions. As a result, when the winner
 2 of the header bidding competition was sent to Google's Publisher Ad Server, the ad server used
 3 the winning bid price as the price floor offered to AdX. AdX then had a "last look" and could
 4 outbid the winner of the header bidding auction or pass on the impression. This refusal to
 5 interoperate with header bidding solutions gave Google an advantage in bidding for impressions.
 6 Moreover, it was inefficient in that it allowed Google to win impressions at prices below that of
 7 which some of its own advertisers would be willing to pay.

8

9 **ii. Google made anticompetitive agreements with Facebook to stave off header
 bidding and allocate markets**

10 86. In March of 2017, Facebook publicly announced it would support header bidding.
 11 By doing so, Facebook would enable web and mobile app publishers and advertisers to bypass the
 12 fees associated with transacting through Google's Publisher Ad Server. When bidding into
 13 Google's ad server, networks, such as Facebook's network ("FAN"), had to bid into exchanges
 14 and pay exchange fees. Because header bidding cost nothing, Facebook would let web publishers,
 15 mobile app publishers, and advertisers save on these fees altogether.

16 87. Google feared that Facebook's support of header bidding would crack Google's
 17 Publisher Ad Server monopoly and unlock Exchange competition. The wider industry also thought
 18 that Facebook was prepared to challenge Google's monopoly.

19 88. The same day as Facebook's March 2017 header bidding announcement, industry
 20 publication AdAge wrote that Facebook was poised to execute a "digital advertising coup against
 21 rival Google and its DoubleClick empire." A Business Insider headline the same day read,
 22 "Facebook Made an Unprecedented move to Partner With Ad Tech Companies—including
 23 Amazon—to Take on Google."

24 89. Facebook was helping publishers and advertisers match two to three times more
 25 users in auctions and increasing third-party publishers' revenue by 10-30 percent, according to
 26 metrics posted in Facebook's public blog. Such cost efficiencies for publishers and advertisers
 27 were not welcome news to Google. Even before Facebook's March 2017 announcement, Google
 28

1 was concerned about large entrants supporting header bidding. Therefore, Google took steps to
 2 neutralize the threat.

3 90. After lengthy negotiations, in September 2018, Facebook and Google agreed that
 4 Facebook would significantly curtail its header bidding initiatives, and bid through Google's
 5 Publisher Ad Server instead. In return, Google agreed to give Facebook numerous competitive
 6 advantages such as (a) increasing the "timeouts" for Facebook bidders (but no other non-Google
 7 bidders) before they were excluded from auctions; (b) providing Facebook with valuable user
 8 information not available to other non-Google exchanges; and (c) increasing buy-sell spreads for
 9 Facebook's FAN Ad Network.

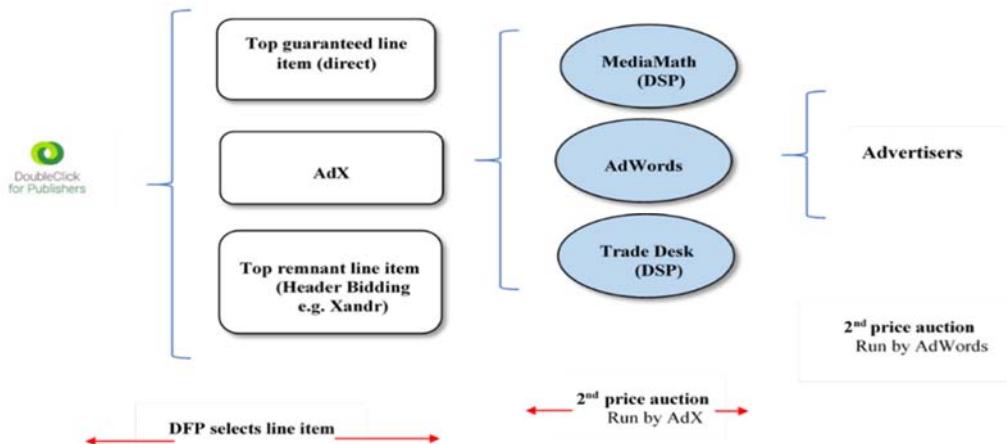
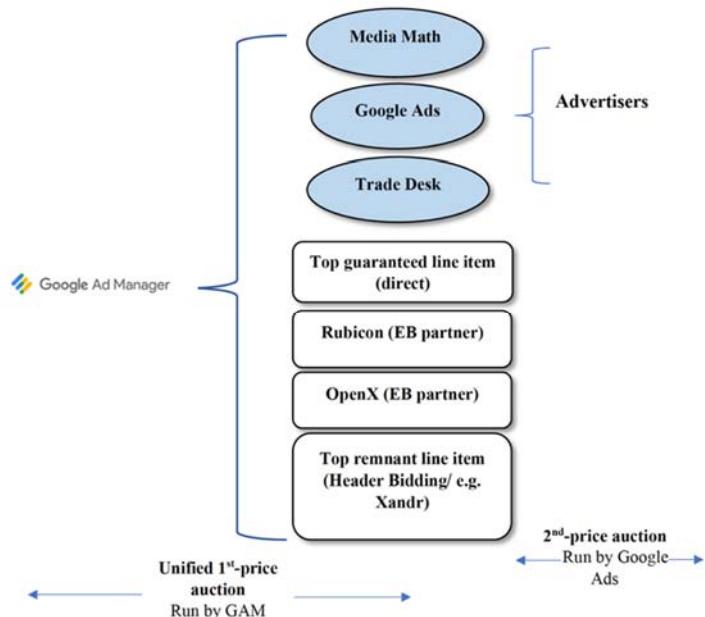
10 91. As noted above, Google already manipulated publishers' auctions by giving Google
 11 bidders information and speed advantages. Google offered Facebook information advantages,
 12 speed advantages, and other prioritizations, to the detriment of other auction participants.

13 92. Google and Facebook did not disclose the fact that Facebook and Google receive
 14 preferential treatment that advantages the bidders they represent, and disadvantages other bidders
 15 in the same auctions. Indeed, Google publicly misrepresents that all bidders in publishers' auctions
 16 "compete equally for each impression on a net basis." This false statement was intended to conceal
 17 Google's market allocation agreement with Facebook, as well as the other unlawful conduct
 18 alleged in this complaint.

19 **J. Google Used Open Bidding to Continue to Provide Unfair Advantages to
 20 its Display Ad Products.**

21 93. Increasing complaints from publishers over Google's refusal to participate in
 22 header bidding, and its practice of giving AdX the "last look" before closing on a bid, led Google
 23 to introduce a proprietary server-side version of header bidding called "Open Bidding." DCFP and
 24 the AdX Exchange were combined and rebranded as "Google Ad Manager," and a real-time
 25 "Unified Auction" was introduced within Google's Publish Ad Server that is open to all bidders
 26 (Exchanges and Ad Buyer Tools/DSPs). This change in the operation of Google's ad
 27 intermediation products is illustrated in Figures 5 and 6.

28

1 FIGURE 5. AD INTERMEDIATION PRIOR TO OPEN BIDDING
211 FIGURE 6. AD INTERMEDIATION AFTER OPEN BIDDING
12

24 94. Even with Open Bidding, however, Google continues to engage in conduct that
25 provides it with significant competitive advantages.

26 a. First, Google imposes an additional fee on non-Google winners of Open Bidding
27 auctions, which raises the costs of rival Exchanges and Ad Buying Tools/DSPs. This creates a
28

1 disincentive for DSPs to use rival Exchanges, as DSPs have to pay twice if their Exchange
 2 ultimately wins an impression.

- 3 b. Second, Google does not share “minimum bid to win” data from the last Open
 4 Bidding auction with header bidding winners. This information, which is provided
 5 to all other bidders, can be used in planning future auctions. Google’s refusal to
 6 provide this data to the winners of header bidding auctions hampers that as an
 7 avenue for bidding on impressions.
- 8 c. Third, in Open Bidding, publishers are no longer able to link bid and bidder
 9 information directly with information about impressions (such as final prices). In
 10 particular, publishers cannot merge the new Bid Data Transfer (BDT) file with the
 11 impression data files (Google Ad Manager Transfer files). This limits their ability
 12 to efficiently analyze the performance of Google’s Open Bidding auctions.
- 13 d. Finally, prior to Open Bidding, publishers using Google’s Publisher Ad Server
 14 (DCFP) were able to set different minimum price floors for each Exchange. Under
 15 the new Unified Pricing Rules, however, Google removed this feature so that now
 16 there is a single minimum price floor applicable to all Exchanges. As Google’s Ad
 17 Buyer Tools tend to generate the highest prices for impressions, the inability to set
 18 Exchange-specific price minimums means that Google has even more opportunity
 19 to engage in “cream skimming” than it did before Open Bidding.

20

21 **K. Other Actions by Google Threaten to Diminish Competition in the Relevant
 22 Display Ad Markets**

23 **i. Planning the retirement of third-party cookies from Chrome**

24 95. Google has announced that it plans to retire cookies from Chrome, allegedly
 25 beginning around 2022. This will significantly hinder non-Google Ad Buyer Tools as it will limit
 26 their ability to identify the user behind an impression. Google will not suffer this limitation because
 27 it already collects so much information about the user through its Google login ID.

28 **ii. Developing Accelerated Mobile Pages as a way to Impede Header Bidding**

1 96. Accelerated Mobile Pages (“AMP”) is a technology developed by Google that
 2 allows for fast load speeds of mobile ads. In order to speed up ad loading, AMP requires that the
 3 mobile site be entirely pre-loaded in Google’s own servers. That means that the ads would be
 4 placed not on the user’s browser directly but on Google’s servers and then shown to the user.

5 97. Although Google claims that AMP was developed as an open-source collaboration,
 6 AMP is actually a Google-controlled initiative. Google originally registered and still owns AMP’s
 7 domain, ampproject.org.

8 98. Header bidding is only possible if publishers can insert JavaScript code into the
 9 header section of their webpages. To discourage header bidding, Google made AMP essentially
 10 incompatible with JavaScript and header bidding. Thus, publishers must bypass header bidding if
 11 they want to take advantage of AMP.

12 99. Google coerces publishers to use AMP by claiming that the faster site load speed
 13 improves the publishers’ positions in Google Search. Given the importance of appearing high on
 14 the Google Search Engine Result Page (SERP), publishers are highly incented to adopt AMP in
 15 the mobile space to the detriment of header bidding.

16 100. Google used AMP to restrict competition in numerous other ways.

- 17 a. First, to limit AMP’s compatibility with header bidding, Google restricted the code
 to prohibit publishers from routing their bids to, or sharing their user data with,
 more than a few Exchanges a time. At the same time, Google made AMP fully
 compatible with routing to Exchanges through Google’s sell-side tool.
- 21 b. Google also designed AMP to force publishers to route rival Exchange bids through
 Google’s Publisher Ad Server, so that Google could continue to peek at rivals’ bids
 and use the information to refine its own algorithms.
- 24 c. Third, Google designed AMP so that users loading AMP pages would make direct
 communication with Google servers, rather than publishers’ servers. This enabled
 Google’s access to publishers’ inside and non-public user data. AMP pages also
 limit the number of ads on a page, the types of ads publishers can sell, and the
 amount of enriched content that publishers can have on their pages.

1 101. In sum, Google offered publishers a no-win proposition: (1) publishers could forego
 2 exchange competition in header bidding, use AMP, and pay supra-competitive fees to Google, or
 3 (2) publishers could instead use header bidding and lose even more money, because Google Search
 4 would suppress their search rankings and send traffic to competing AMP-compatible publishers.

5 **L. Excluding Exchange Competition Through Opaque Pricing**

6 102. When marketing its Exchange to publishers and advertisers, Google has explained
 7 that an Exchange is "just like a stock exchange, which enables stocks to be traded in an open way."
 8 Google, however, purposefully keeps auction mechanics, terms, and pricing, opaque and
 9 "nontransparent" to impede Exchange competition.

10 103. Google's non-transparent pricing strategy includes obfuscating the take rate that
 11 publishers and advertisers pay Google. Google tells small advertisers using Google Ads the price
 12 they pay Google for ad space, but not the price the inventory actually cleared for in Google's
 13 Exchange, the revenue the publisher receives, or the markup Google keeps.

14 104. The lack of transparency decreases competitive pressure at different points in the
 15 supply chain and increases opportunities for rent-seeking and arbitrage. In other words, Google
 16 can charge higher fees at points in the supply chain where there is little competition and the lack
 17 of transparency around fees impedes other firms from coming in and competing with Google by
 18 offering the same services at lower prices.

19 105. The lack of transparency also prevents Google's potential and actual competitors
 20 from assessing a possible return on investment if they enter or as they compete in the market.

21 **VII. GOOGLE'S ANTICOMPETITIVE CONDUCT FORECLOSED COMPETITION
 22 AND HAD ANTICOMPETITIVE EFFECTS IN THE RELEVANT MARKETS**

23 106. As a result of the anticompetitive conduct described above, Google has foreclosed
 24 other firms from competing in the Relevant Markets to the detriment of publishers like Plaintiff
 25 and member of the proposed Class.

26 107. Google then further reinforces its market position by impairing potential competing
 27 Display Ad Stack service providers by using its market power in other markets (e.g., Search) to
 28 prevent potential rivals from collecting rival datasets that could make the potential rivals viable

1 alternatives to Google for advertisers (which could, in turn, loosen Google's hold on those
 2 Markets).

3 108. With Facebook, the one provider Google could not foreclose from the Relevant
 4 Display Ad Markets due to Facebook's ability to amass user data and a substantial number of
 5 clients, Google entered into an unlawful market allocation and bid-rigging agreement. The
 6 agreement turned Facebook from a potential challenger to Google's market dominance in the
 7 Relevant Display Ads Markets into a structural support of such dominance.

8 109. Finally, Google foreclosed competition by steering auctions to Google's services
 9 and away from the other service providers, and taxing/raising such rivals' costs when the rivals
 10 managed to win auctions for Google's ad inventory notwithstanding the hurdles Google imposed.
 11 Because of this conduct, potential rivals lack the ability to generate scale sufficient to compete
 12 with Google.

13 110. The foreclosure caused by Google's conduct in the Publisher Ad Server Market can
 14 be seen by the exit and limited entry of competitors over the past decade or so. Today, few
 15 Publisher Ad Server competitors remain in the United States.

16 111. Moreover, entry into the Publisher Ad Server Market has been weak over this same
 17 period. This lack of entry is a result of the artificial barriers arising from Google's anticompetitive
 18 conduct.

19 **VIII. GOOGLE'S ANTICOMPETITIVE CONDUCT HARMED PLAINTIFF AND THE**
 20 **CLASS**

21 112. As a direct and proximate result of Google's anticompetitive conduct, Plaintiff and
 22 members of the proposed Class suffered substantial losses to their business or property.

23 113. Revenues for publishers who sold Display Ads through Google's Ad Networks and
 24 Exchanges were artificially suppressed during the Class Period due to Google's unlawful conduct.
 25 Absent Google's anticompetitive conduct, Plaintiff and members of the Class would have received
 26 more revenue for advertising on their content. The full amount of such damages will be calculated
 27 after discovery and upon proof at trial.

1 114. Moreover, because of the reduced revenues publishers can generate due to Google's
 2 unlawful conduct, Plaintiff and similarly situated publishers have been forced to reduce output,
 3 and many have gone out of business altogether.

4 115. Thus, as a direct and proximate result of this anticompetitive conduct, Google reaps
 5 more revenue, suppresses publishers' revenues, and forces publishers to reduce the content they
 6 produce causing further reductions in revenues.

7 116. Google's anticompetitive conduct is continuing and so are the damages suffered by
 8 members of the Class.

9 **IX. INTERSTATE COMMERCE**

10 117. Google engages in interstate commerce and in activities substantially affecting
 11 interstate commerce including, without limitation, (1) providing consumer services, such as
 12 Search, Gmail, YouTube, and Android OS, to consumers throughout the United States and
 13 globally, (2) providing advertiser buying platforms, Google Ads and Google Display & Video 360,
 14 to advertisers targeting consumers throughout the United States and globally, and (3) providing
 15 Google Ad Manager, Google AdSense, and Google AdMob to Publishers based throughout the
 16 United States and globally. Publishers use Google's services in the Relevant Markets to buy and
 17 sell Display Ad inventory targeted at users across the United States.

18 **X. CLASS ALLEGATIONS**

19 118. Plaintiff brings this class action under Rules 23(a) and 23(b) of the Federal Rules
 20 of Civil Procedure on behalf of the following Class:

21 All Publishers that sell digital display advertising inventory through Google's
 22 AdSense targeting consumers[DS1] in the United States between March 11, 2008 and
 23 the date the Court certifies the Class.

24 Excluded from the Class are: (1) any Judge or Magistrate presiding over the class action and
 25 members of their families; (2) Defendant and its subsidiaries, parents, successors, predecessors, or
 26 any entity in which Defendant has a controlling interest; (3) persons who properly execute and file
 27 a timely request for exclusion from the class; and (4) the legal representatives, successors, or
 28 assigns of such excluded persons.

1 119. Membership in the Class is so numerous that joinder of all members in one action
 2 is impracticable. The Class is reasonably estimated to include many hundreds (if not thousands of)
 3 participants.

4 120. The objective facts are the same for all members of the Class in that, inter alia,
 5 Google's conduct in monopolizing the Relevant Markets was the same, e.g., Google's conduct
 6 outlined herein vis-à-vis publishers, its tying of separate products, its market allocation agreement
 7 with Facebook, and its other conduct impairing other companies' abilities to compete in the
 8 Relevant Markets.

9 121. For each Claim for Relief asserted below, the same legal standards govern
 10 resolution of the same operative facts existing across all members of the Class' individual claims.
 11 If Defendant is liable to one member of the Class, Defendant is liable to all members of the Class.

12 122. Because the claims of each member of the Class have a common origin and share
 13 a common basis in terms of Google's systematic misconduct, there are common questions of fact
 14 and law which exist and which are susceptible to common answers as to each Class member under
 15 Federal Rule of Civil Procedure 23(a)(2), and which predominate over any questions affecting
 16 only individual members under Federal Rule of Civil Procedure 23(b).

17 123. Substantial questions of fact and law that are common to all members of the Class,
 18 and which are susceptible to common answers and which control this litigation and predominate
 19 over any individual issues, include, inter alia, the following:

- 20 a. whether the Relevant Markets alleged above are relevant markets in this
 case;
- 21 b. whether Google possesses monopoly power in one or more of the Relevant
 Markets;
- 22 c. whether, through the conduct alleged herein, Google willfully acquired,
 maintained, and/or enhanced its monopoly power in one or more of the
 Relevant Markets;
- 23 d. whether Google's conduct, as alleged herein, is anticompetitive;

- 1 e. whether Google's conduct, as alleged herein, had anticompetitive effects in
- 2 one or more of the Relevant Markets;
- 3 f. whether Google's conduct caused Plaintiff and members of the Class
- 4 antitrust injury;
- 5 g. the appropriate measure of damages; and
- 6 h. the propriety of declaratory and injunctive relief.

7 124. Plaintiff's claims are typical of the claims of the Class and arise from the same
 8 course of conduct undertaken by Google against the Class. There are no conflicts between the
 9 interests of the named Plaintiff and the interests of the members of the Class that Plaintiff seeks to
 10 represent. The relief Plaintiff seeks is typical of the relief sought for members of the Class.

11 125. Plaintiff will fairly and adequately represent and protect the interests of the Class
 12 because of the common injury and interests of the members of the Class and the uniform conduct
 13 of Google that is, and was, applicable to all members of the Class. Plaintiff has retained counsel
 14 competent and experienced in antitrust class action litigation that will adequately represent and
 15 protect the interests of the members of the Class.

16 126. Class certification is appropriate under Federal Rule of Civil Procedure 23(b)(3)
 17 not only because common questions of fact and law predominate, but also because a class action
 18 is superior to other available methods for fairly and efficiently adjudicating the controversy. The
 19 prosecution of separate actions by individual members of the Class would impose heavy burdens
 20 upon the courts and Google and would create a risk of inconsistent or varying adjudications of the
 21 questions of law and fact common to the Class. Class action status, on the other hand, would
 22 achieve substantial economies of time, effort and expense, and would assure uniformity of decision
 23 as to persons similarly situated without sacrificing procedural fairness or bringing about other
 24 undesirable results.

25 127. Plaintiff is not aware of any management difficulties which should preclude
 26 maintenance of this litigation as a class action. Plaintiff does not anticipate any difficulty in the
 27 management of this action as a class action.

28

1 **XI. CAUSES OF ACTION**

2 **COUNT I: Violation of Section 2 of the Sherman Act, 15 U.S.C. § 2**

3 128. Plaintiff hereby incorporates by reference the preceding paragraphs as if they were
4 fully set forth herein.

5 129. Google possesses market power in the Relevant Markets, including the Ad Network
6 Market. Google has obtained, enhanced, and maintained dominance in these markets through the
7 anticompetitive conduct alleged herein to impair and foreclose competition in these markets.

8 130. As a direct and proximate result of Google's continuing violation of Section 2 of
9 the Sherman Act, Plaintiff and members of the Class have suffered injury and damages in the form
10 of artificially suppressed advertising revenues in amounts to be proven at trial.

11 131. Plaintiff, on behalf of itself and other members of the Class, seek money damages
12 from Google for these violations. These damages represent the amount of Google's overcharges
13 and additional advertising revenues the Class would have received absent Google's
14 anticompetitive conduct alleged herein. Damages will be quantified on a class-wide basis. These
15 actual damages should be trebled under Section 4 of the Clayton Act, 15 U.S.C. § 15.

16 132. Plaintiff, on behalf of itself and other members of the Class, seek injunctive relief
17 barring Google from engaging in the anticompetitive conduct alleged herein. The violations set
18 forth above, and the effects thereof, are continuing and will continue unless injunctive relief is
19 granted.

20 133. Plaintiff's and Class members' injuries are of the type the antitrust laws were
21 designed to prevent, and flow directly from Google's unlawful, anticompetitive conduct.

22 **COUNT II: Violation of Section 1 of the Sherman Act, 15 U.S.C. § 1**

23 134. Plaintiff hereby incorporates by reference the preceding paragraphs as if they were
24 fully set forth herein.

25 135. As described above, Google and Facebook, Inc. entered into and carried out an
26 unlawful market allocation and bid-rigging agreement in violation of Section 1 of the Sherman
27 Act, 15 U.S.C. § 1.

1 136. Facebook's agreement not to compete with Google by supporting "header bidding"
 2 reinforced Google's market dominance in the Relevant Markets, thereby lowering auction
 3 revenues for publishers.

4 137. In addition, by guaranteeing that Facebook would win a fixed percentage of
 5 auctions, Google's agreement with Facebook suppressed auction revenues publishers received for
 6 their Display Ad inventory.

7 138. As a direct and proximate result of Google's unlawful agreement, Plaintiff and
 8 members of the Class have suffered injury and damages in the form of artificially suppressed
 9 advertising revenues in amounts to be proven at trial.

10 139. Plaintiff, on behalf of itself and other members of the Class, seeks money damages
 11 from Google for these violations. These damages represent the additional advertising revenues the
 12 Class would have received absent Google's anticompetitive conduct alleged herein. Damages will
 13 be quantified on a class-wide basis. These actual damages should be trebled under Section 4 of the
 14 Clayton Act, 15 U.S.C. § 15.

15 140. Plaintiff's and Class members' injuries are of the type the antitrust laws were
 16 designed to prevent, and flow directly from Google's unlawful, anticompetitive conduct.

17 **XII. REQUEST FOR RELIEF**

18 WHEREFORE, Plaintiff, on behalf of itself and the proposed Class, respectfully asks the
 19 Court for a judgment that:

- 20 a. Certifies this case as a class action on behalf of the proposed Class pursuant to Fed.
 21 R. Civ. P. 23(a), 23(b)(2), and 23(b)(3), and appoint Plaintiff as class representative
 22 and its attorneys as class counsel;
- 23 b. Awards Plaintiff and each member of the Class treble the amount of damages
 24 actually sustained by reason of Google's antitrust violations alleged herein, plus the
 25 reasonable costs of this action including attorneys' fees;
- 26 c. Orders such equitable relief as is necessary to correct for the anticompetitive market
 27 effects caused by Google's unlawful conduct; and
- 28 d. Awards such other relief the Court deems reasonable and appropriate.

1 **XIII. JURY TRIAL DEMAND**

2 Plaintiff requests a jury trial for all issues so triable.

3
4 DATED: February 2, 2021

Respectfully submitted,

5 */s/ Dennis Stewart*

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